

Ensuring Materials Compliance During Construction



***Mick Syslo, P.E.
Materials & Research Division***

What is Materials Compliance



Dave Heineman
Governor

STATE OF NEBRASKA

DEPARTMENT OF ROADS

Momy W. Fredrickson, P.E., Director - State Engineer

1500 Highway 2 • P.O. Box 94759 • Lincoln NE 68509-4759

Phone (402) 471-4567 • FAX (402) 479-4325 • www.transportation.nebraska.gov

LETTER OF CERTIFICATION BY STATE ENGINEER

Division Administrator
U. S. Department of Transportation
Federal Highway Administration
Lincoln, Nebraska

Date: January 23, 2012

Nebraska Project No.: xxxxxx

Location: xxx xxxxxxxxxxxx

This is to certify that:

The results of the tests used in the acceptance program indicate that the materials incorporated in the construction work, and the construction operations controlled by sampling and testing, were in substantial compliance with the approved plans and specifications. Independent assurance samples and tests are within tolerance limits of the samples and tests that are used in the acceptance program.

Sincerely,

A handwritten signature in black ink that reads "Mick Syslo".

Mick Syslo
Materials and Research Engineer

How do we certify that?

It is a multi-step process
THROUGHOUT
the life of the project

Focus for Today

- *State Rep Responsibilities*
- *M&R Responsibilities*

NDOR State Rep

NDOR takes an active role in each project as it is being constructed.

NDOR State Representative is responsible for providing QA reviews of the LPA RC and CE:

- Sufficient project oversight

- Adequate record-keeping

- Work is performed satisfactorily

- Expenses are being paid accurately

- All according to the requirements established in the plans,
standard specifications, and contract.

The **NDOR State Representative will act as a liaison** between the LPA and NDOR when correspondence, contract documentation, or other exchange of information is needed between the parties.

LPA RC **and** NDOR State Reps

Define who is filing these checklists out at the

Construction Inspection Planning Meeting

Asphalt Paving (Checklists 12-61, 12-62)

Concrete Structures (Checklists 12-63)

Concrete Paving (Checklist 12-66)

During grading operations (Checklists 12-67)

During piling operations (Checklist 12-68)

During pipe installation (Checklist 12 69)

NOT to be filled out by CE

LPA RC and NDOR State Reps

Chapter 12 Checklists document the assessment of :

- Compliance with contract
- Qualifications of sampler/tester, lab, equipment utilized by LPA CE on the project
- LPA CE record keeping (electronic and hard copy) to justify payment for materials and enable M&R to certify material compliance for FHWA.

Qualifications

Materials shall be sampled and tested by:

Qualified individuals (*both testing & sampling*)

Qualified laboratories

Qualified Tester/Sampler

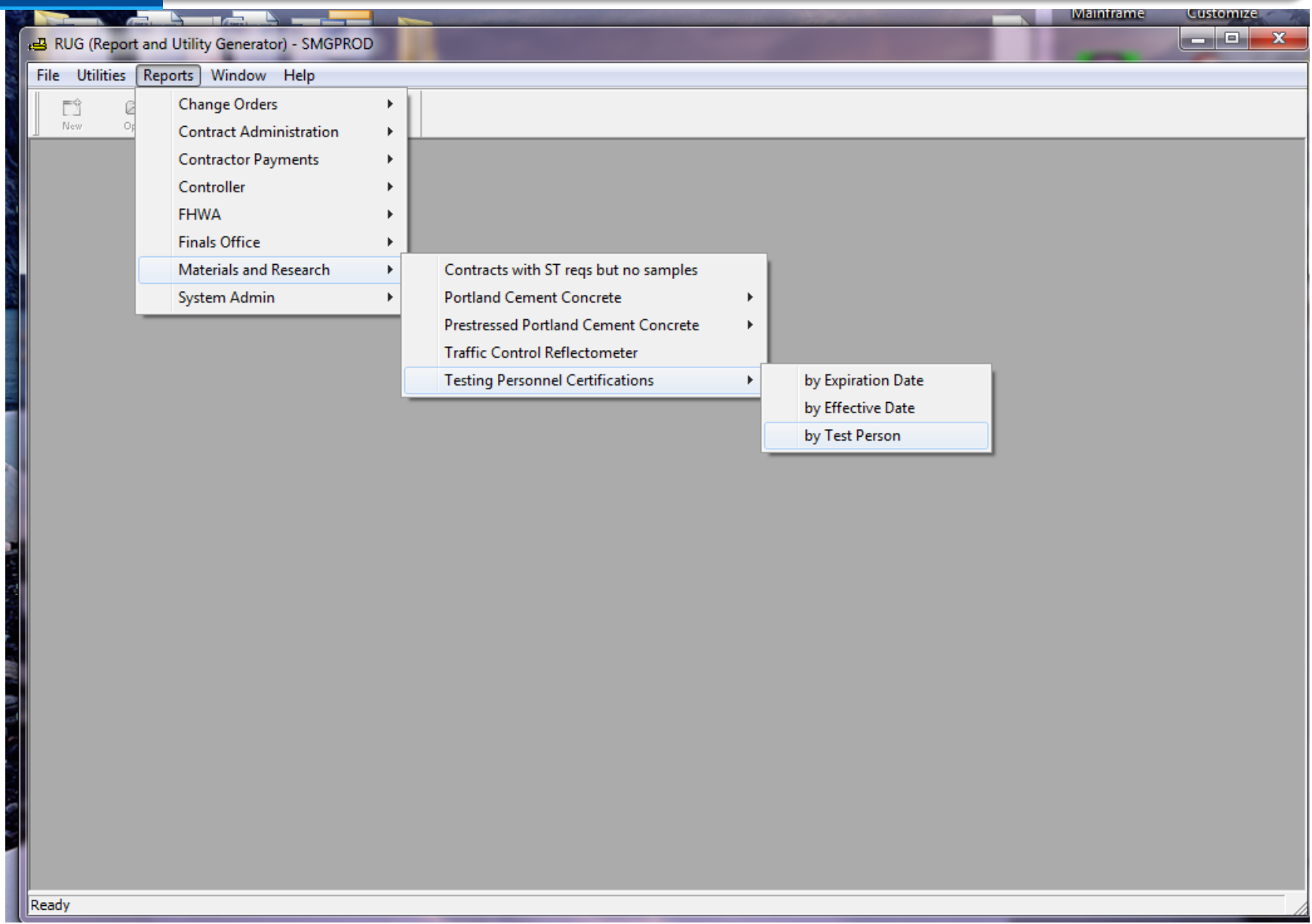
The NDOR State Representative will be responsible for verifying the tester's certification at the construction site.

Qualified Tester/Sampler

SAMPLING AND TESTING PERSONNEL QUALIFICATION PROGRAM

Lab and Field Technician Certifications			
	Concrete	Soils	Asphalt
¹ Lab	³ ACI PCC Strength Testing (5 yr)	³ Earthwork Technician Level 2 (5 yr)	³ Asphalt Concrete Test Tech (5 yr)
Field	³ ACI PCC Field Test Tech (5 yr)	³ Earthwork Technician Level 1 (5 yr)	PG Binder/Emulsion Sample Technician
	³ NDOR PCC Plant Inspector (5 yr)		² Asphalt Field Tech 1 (5 yr)
	² NDOR PCC Field Inspector (5 yr)		² Asphalt Field Tech 2 (5 yr)

Report Utility Generator (RUG)



Report Utility Generator (RUG)

RUG (Report and Utility Generator) - SMGPROD

File Utilities Reports Window Help

New Open Close Save Print... Exit

Choose Testing Personnel by person report criteria

Tst Prsn Nm	Tst Id
Abbott, Jason	CTR00836
Abels, Marc	CTR20036
Ackerman, Jack	CTR50005
Ackerman, Jeff	CTR00390
Ackerman, Rex	CTR20054
Ackland, Lenny	CTR40026
Adame, Carlos	DOR34336
Adams, Dennis E	CTR00837
Adams, Marlin	CTR40123
Adams, Merle	CTR00632
Adams, Mike	CTR00057
Adams, Tim	CTR00754
Adams, William D.	DOR33165
Adcock, Dan	CTR00480
Aden, Jamion	CTR00517
Adkins, Lee	CTR00150

Ok Cancel

Qualified Laboratory

Only qualified labs are eligible to perform materials testing.

Labs performing material testing shall be qualified by one of the following methods:

1) AASHTO Materials Reference Laboratory (AMRL)

- *M&R Central Lab*

2) Qualified by NDOR M&R Central Lab:

- **NDOR Branch labs**
For IA testing when verification testing is out of tolerance
- **Contractor's lab**
Conducting acceptance testing (Asphalt Concrete)
- **LPA and Consultant Labs**
Conducting acceptance and verification testing for LPA projects



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- [Roadside Landscaping Plan](#)
- [NE Minimum Design Standards](#)
- [Standard Tests Methods Manual](#)
- [Standard Plans Info](#)
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- [Pavement Optimization Program](#)
- [Pavement Maintenance Manual](#)
- [Pavement Management Syst. Manual](#)
- [NE Hwy Ref. Post Log Book](#)
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ALFRED BENESCH & COMPANY- LINCOLN

825 J St
PO Box 80358
Lincoln NE 68501
402-479-2200

Aggregate

T 304 – Stand, Funnel and Cylindrical Measure
T 84 - Conical Molds and Tampers – Critical Dimensions
T 248 – Sample Splitter

Hot Mix Asphalt

T 245 – Breaking Heads – Critical Dimensions
T 245 – Compression Testing Machines
T 308 – Ignition Oven
T 312 – Gyratory Compactor
T 312 – Gyratory Molds and Ram Heads
T 245 – Marshall Molds
T 209 – Vacuum System
T 245 – Manual and Mechanical Compactors (Procedures No. 6 & 6A)

Portland Cement Concrete

C 231 – Air Meters
C 39 - Bearing Blocks and Retainers – Planeness
C 39 - Compression Machines
C 39 - Moist Rooms/Storage Tanks – Temp. & Humidity
Capping Material – Strength
C 138 – Unit Weight Measure
C 173 - Volumetric Air Meter

What support will M&R Provide for Construction Phase of LPA Project?

- Assist Construction Division Project Coordinator with preparation for LPA CE agreement
- Testing that no other lab is qualified to conduct in Nebraska
- Technician Independent Assurance Testing when out of tolerance verification testing.
- QAM's will complete checklist 12-10
- Maintain Approved Products List
- Support NDOR State Rep with technical and documentation guidance

Materials Required Document List (M-RDL)

CONTRACT NO. 2185X PROJECT NO. BRO-7027(8)
VENDOR NO. 2817 MCC, LLC

LOCATION: SCRIBNER NORTHEAST (STIMULUS)
TYPE OF CONSTR: GR BR GDRL

LETTING DATE: 1/14/2010

*TOS=TEST OR SAMPLE
CC=CONTRACTOR'S CERTIFICATION
COC=CETIFICATION OF COMPLIANCE
COT=CERTIFICATION OF TEST
APL=APPROVED PRODUCTS LIST
PMV=PROJECT MANAGER'S VERIFICATION

**SP=SPECIAL PROVISIONS - PAGE NUMBER
SG=SAMPLING GUIDE - SECTION NUMBER
NSS=NEBR. STAND. SPECS. - SECTION #

DESCRIPTION	QUANTITY UNITS	* REQUIRED DATA	** REF BK	M&R CONTACT
RIPRAP FILTER FABRIC	283.000 SY	APL	SG-24	DONDLINGER
24" CMP FOR DRIVEWAY CULVERT PIPE	220.000 LF	SG-SECTION 27,	NOTE 11	KAREL
CRUSHED ROCK EMBEDMENT	20.580 STA	TOS	SP-83	BEASON
CRUSHED ROCK SURFACE COURSE	794.000 TON	TOS	SG-6	BEASON
24" CORRUGATED METAL PIPE	202.000 LF	SG-SECTION 27,	NOTE 11	KAREL
60" CORRUGATED METAL PIPE	84.000 LF	SG-SECTION 27,	NOTE 11	KAREL
24" METAL FLARED-END SECTION	3.000 EACH	SG-SECTION 27,	NOTE 11	KAREL
60" METAL FLARED-END SECTION	4.000 EACH	SG-SECTION 27,	NOTE 11	KAREL
ROCK RIPRAP, TYPE B	127.000 TON	APL	SG-24	BEASON
FABRIC SILT FENCE-LOW POROSITY	1,075.000 LF	APL	NSS809	DONDLINGER
RIPRAP FILTER FABRIC	1,945.000 SY	APL	SG-24	DONDLINGER
47B-3000 CONC FOR BRIDGE	189.500 CY	TOS	SG-16	MASTERS
47BD-4000 CONC FOR BRIDGE	294.600 CY	TOS	SG-16	MASTERS
RE-STEEL FOR BRIDGE	62,205.000 LB	TOS/COT	SG-16	KAREL
STRUC STEEL FOR SUBSTRUCTURE	2,245.000 LB	COC	SG-20	KAREL
ROCK RIPRAP, TYPE B	1,540.000 TON	APL	SG-24	BEASON

Material Sampling & Testing Requirements

Project name:		<p>These are estimated quantities for materials that need to be tested for this project.</p> <p>Items that require certifications or letters of compliance are not listed.</p> <p>Please refer to Materials Sampling Guide for those items and for</p>	
Control No:			
Project No:			
Date:	3/29/2011		
Group Description	Test description	Number of Tests	Comments
Group 3 - Pavement			
Crushed Rock Embedment	Establish Rolling Pattern	1	
	Density based off rolling pattern	1	
Crushed Rock Surf.	Field Gradation	1	
	Quality/Soundness/Gradation	1	NDR will test these samples
Special Surf. Course for Mailbox	Field gradation	1	
	Establish Rolling Pattern	1	
47B-3500 8" doweled 17,867sy=11911cy 9" pcc 198sy = 149cy total 12060 cy in 4 pours 4pours x 4 = 16 cylinders 5925'/750' = 8 cores	Fine aggr. Quality/sound/grad.	5	send to NDR for testing(every 2250')
	Plant fine aggr tech tests	14 each	Sample aggregate, sieve Fine , moisture...
	Coarse aggr. Quality/sound/grad.	2	
	Plant crse aggr tech tests	6 each	Sample aggregate, sieve Coarse, moisture...
	Field tech tests	40 each	air(every 300cy), slump, unit weight, yield, cylinders...
	Unconfined Compression cylinder	16	
	Cores strength/thickness	8	
4" Foundation Course 18065sy=2007cy/500cy=4 grad	Verification Gradation testing	1	send to NDR for testing
	Field Gradation	4	
	Establish Rolling pattern	4	maximum density

Material Sampling & Testing Requirements

Even if NDOR Central Lab is doing the testing
the LPA CE is responsible for:

Sampling

Documenting

Submitting the materials to NDOR

Material Samples

ALL samples need to have 12 digit sample ID
Field personnel must create and link sample record to contract if it is for a material tracked in SiteManager

Sample ID No.: (Fill all spaces)

1	2	6	0	1	6	8	1	0	0	0	4
Year		DOR #			Dist.		Sample #				

Project No.: STPC - 5212 (5)

Contract No.: 1121K1

Project Mgr.: E. MURILLO

Number of Items 1 of 1

Comments: _____

Nebraska Department of Roads **Sample Identification Form**

Name of Material:		County:		Project No.:	
Date Sampled:	Control No.:	Contract No.:	Sample Taken From:		
Material for use in (type of work or kind of structure):					
Location to be used (Station or other information):					
Sampled by:	Title:	Address:			
Report to be sent to:	Title:	Address:			
Contractor (Prime):	Contractor No.:	Address:			
AGGREGATE-SOIL-FILLER — ROAD GRAVEL			CONCRETE CYLINDERS (6x12)		
Field Identification No.			Field Identification No.		
Location (Hole No., etc.)			Class of Concrete		
Depth of Sample			Water/Cement Ratio		
Depth of Overburden			Air Voids, Percent		
Thickness of Stratum			Slump, Inches		
Type or Class			Quantity, Cu Yds		
Pit Location	% Sec.	T-	R-	Method of Curing Structure or Pavement	
Kind of Pit: <input type="checkbox"/> Dry <input type="checkbox"/> Wet	Quantity, Cu Yd.		Method of Curing Cylinders		
Owner of Pit			Days Cured in Field		
Produced By:			Brand and Class of Fly Ash		
ASPHALT AND ASPHALTIC OIL			Location of Power Plant		
Field Identification No.			Brand and Type of Cement		
Type			Location of Mill		
Ticket No.			Air Entraining Agent		
Lot No.			Admixture Name		
Quantity, Gal.			Source of S.G. or Fine Aggregate		
Manufactured By			Pit Location		
Location of Refinery			Source of Coarse Aggregate		
Specific Gravity			Pit Location		
BITUMINOUS AGGREGATE — ASPHALTIC CONCRETE			CEMENT — FLY ASH		
Field Identification No.			Field Identification No.		
Sampled from Sta.			Brand		
Lift, Lane, Dist. from Edge			Type *		
Stations Rep. From			Mill Location		
Asph. Oil, Gal./Sta. (Bt. Agg.)			Ready Mix Plant		
Agg., Tons/Sta. (Bt. Agg.)			Quantity, Tons		
Type of Asphalt Concrete			Place of Storage		
Job Mix No. (Asph. Conc.)			Length of Storage		
Asph. % (Asph. Conc.)			* Type I, Type II, Type III, Type I-II		
Type Asph. or Asph. Oil			OTHER MATERIALS		
Mfr. Asph. or Asph. Oil			Field Identification No.		
Specific Gravity			Kind of Material		
OTHER INFORMATION			Brand		
			Quantity Represented		
			Size and Weight Specified		
			To Comply with Spec. No.		
			Manufactured by		
			Jobber		
			Submitted by		
			Title		
			Address		
TO BE FILLED IN AT LABORATORY					
Date Received at Laboratory					
Laboratory Identification					

DR Form 12, November 1991

Material Sampling & Testing Requirements

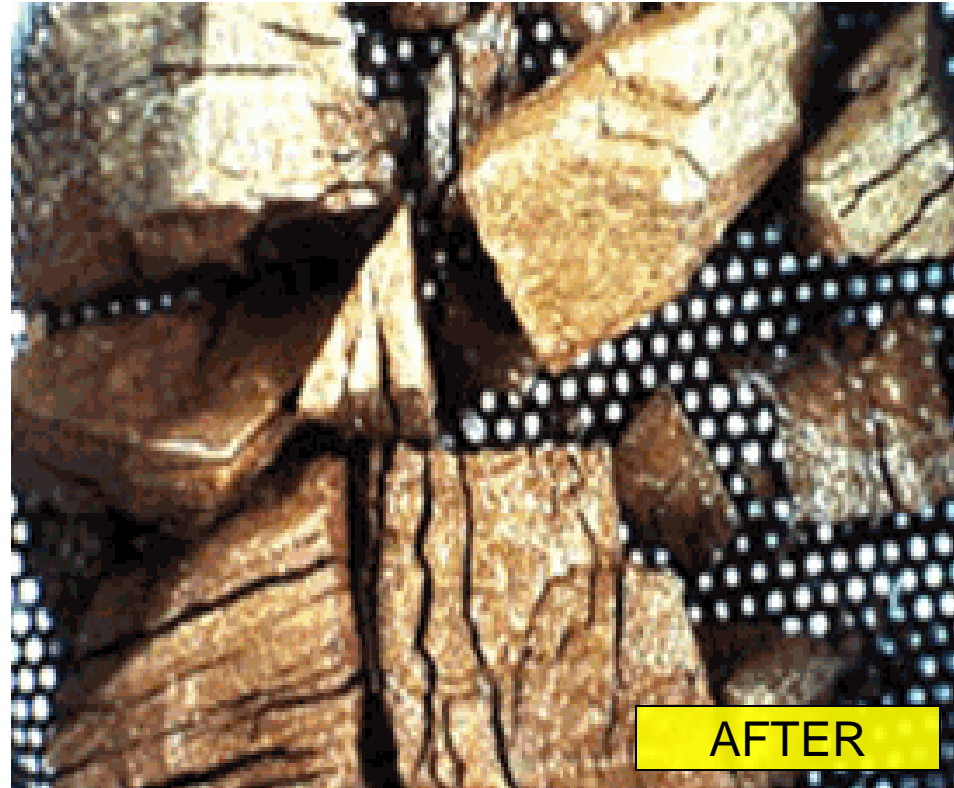
NDOR Central Lab will test the following:

Quality and Soundness Testing for all aggregate

SR Contact Jim Beason with M&R



BEFORE



AFTER

Material Sampling & Testing Requirements

NDOR Central Lab will test the following:

All PG Binder and Emulsions testing

SR Contact Dale Byre with M&R



Material Sampling & Testing Requirements

NDOR Central Lab will test the following:

All steel product tests

SR Contact Stan Karel with M&R



Material Sampling & Testing Requirements

NDOR Central Lab will test the following:

All chemical tests

SR contact Jasmine Dondlinger with M&R

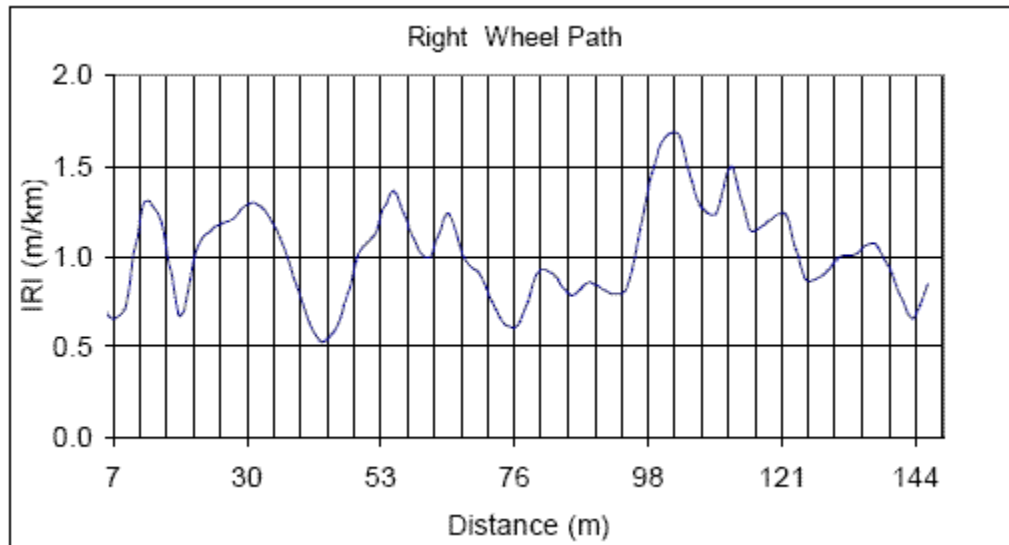


Material Sampling & Testing Requirements

NDOR Central Lab will test the following:

Smoothness verification testing

SR contact Jeremy Weigel with M&R



Material Certifications

ALL Required Material Certifications must be sent to NDOR Materials & Research Division



DuPont
8900 Ge
Houston
Tel. (713)
Fax (713)
www.dupont.com
ISO 9001



Certificate of Compliance

TO WHOM IT MAY CONCERN:

This is to certify that the batch number of Nap-Gard 7-2719 Rebar listed below is chemically the same material that was tested by Valley Forge Laboratories 1 Devon, Pennsylvania to A775. I certify that it meets the requirements of AASHTO A1 of A775-00. Nap-Gard 7-2719 Rebar also meets the requirements of AASHTO D3963-93a and AASHTO M284-95.

The following batch was manufactured in the United States.

Lot Number	Batch Number	Batch Size (Lbs)
H1110075874	077880111011B	5000

Sincerely,

Monica Huerta
Monica Huerta
Quality Control Manager

Millerbernd Mfg. Co. Order No. 38717-00
Electrical Distributor: Kriz-Davis Co. – Grand Island, NE.
Distributor Purchase Order Number: S100068491
Electrical Contractor: Mid Plains Power Inc.
NE/DOR State Job: Roscoe-Paxton, Keith County, Project #IM-80-3(105), Control #60975
Project Description: Qty. (34) Round Tapered Steel Light Standards W/Breakaway T-Base, 12ft Luminaire Truss Style Arm, 40ft Mounting Height, Hot Dip Galvanized Finish on Pole and Arm. Pole Supplied W/Galvanized Screw-In Anchor Base.

We hereby certify that the above;

Meets the performance requirements of the pertinent project plans, special provisions and specifications of NEDOR in all respects, except as noted hereon. Processing, project testing, inspection and control of raw materials are all in conformance with applicable specifications, drawings and / or standards of all articles as furnished to the manufacturer. Lighting Standards, and anchor bolts comply with the structural, and wind loading requirements per 80 MPH-1994 AASHTO Standards. (Base on luminaire having an EPA of 1.5)

This document hereby certifies that all galvanizing of the fabricated metal structure manufactured by Millerbernd Mfg. Co. Inc. conforms to the ASTM specification ASTM A123.

Material fabricated by Millerbernd Mfg. Co. Inc. conform to the Buy America Requirements of the Surface Transportation Assistance Act of 1982 (S.T.A.A.)

I certify that the reports are a true and correct copy as contained in the records of the company.

Signed By:

Vicki Thonvold

Vicki Thonvold
Sales Associate

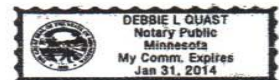
State of Nebraska
Department of Roads
Roadway Lighting Section
I hereby appeared one Vicki Thonvold known to me to be Sales Associate with Millerbernd Mfg. Co. in 1922 Street South, Winsted, MN 55395

Not Approved. Re-Submit	
Approved As Noted, Re-Submit	
Approved As Noted,	
Approved, 5 Sheets	<input checked="" type="checkbox"/>

This stamp does not constitute a check of detailed dimensions, nor does it serve to relieve contract responsibility.

By E. Joss Date 01-19-11

Notary Public: *Debbie L Quast*
Date: 10-1-10



Alesta® and Nap-Gard® are registered trademarks of E.I. du Pont de Nemours and Company for its brand of Powder Coatings. Only DuPont makes Alesta® and Nap-Gard®.

WARRANTY POLICY: Seller certifies that all coatings delivered to Customer in unopened factory filled containers meet all pertinent quality standards presented in its cure matters of surface preparation, application procedures, curing procedures and other local factors that affect coating performance are beyond Seller's control. Seller assumes no liability for any injuries, damages or other losses derived, directly or indirectly, from or as a consequence of Customer's use of the product. SELLER'S WARRANTIES, EXPRESS OR IMPLIED, RELATING TO ITS PRODUCTS AND THEIR APPLICATION, INCLUDING BUT NOT LIMITED TO WARRANTIES OF FITNESS FOR PARTICULAR PURPOSES.

Material Certifications

ALL certifications need to have 12 digit sample ID
Field personnel must create and link sample record to contract if it is for a material tracked in SiteManager

Sample ID No.: (Fill all spaces)

1	2	6	0	1	6	8	1	0	0	0	4
Year		DOR #			Dist.		Sample #				

Project No.: STPC - 5212 (5)

Contract No.: 1121K1

Project Mgr.: E. MURILLO

Number of Items 1 of 1

Comments: _____

Nebraska Department of Roads **Sample Identification Form**

Name of Material:		County:		Project No.:	
Date Sampled:	Control No.:	Contract No.:	Sample Taken From:		
Material for use in (type of work or kind of structure):					
Location to be used (Station or other information):					
Sampled by:	Title:	Address:			
Report to be sent to:	Title:	Address:			
Contractor (Prime):	Contractor No.:	Address:			
AGGREGATE-SOIL-FILLER — ROAD GRAVEL			CONCRETE CYLINDERS (6x12)		
Field Identification No.			Field Identification No.		
Location (Hole No., etc.)			Class of Concrete		
Depth of Sample			Water/Cement Ratio		
Depth of Overburden			Air Voids, Percent		
Thickness of Stratum			Slump, Inches		
Type or Class			Quantity, Cu Yds		
Pit Location	% Sec.	T-	R-	Method of Curing Structure or Pavement	
Kind of Pit: <input type="checkbox"/> Dry <input type="checkbox"/> Wet	Quantity, Cu Yd.		Method of Curing Cylinders		
Owner of Pit:			Days Cured in Field		
Produced By:			Brand and Class of Fly Ash		
ASPHALT AND ASPHALTIC OIL			Location of Power Plant		
Field Identification No.			Brand and Type of Cement		
Type			Location of Mill		
Ticket No.			Air Entraining Agent		
Lot No.			Admixture Name		
Quantity, Gal.			Source of S.G. or Fine Aggregate		
Manufactured By			Pit Location		
Location of Refinery			Source of Coarse Aggregate		
Specific Gravity			Pit Location		
BITUMINOUS AGGREGATE — ASPHALTIC CONCRETE			CEMENT — FLY ASH		
Field Identification No.			Field Identification No.		
Sampled from Sta.			Brand		
Lift, Lane, Dist. from Edge			Type *		
Stations Rep. From			Mill Location		
Asph. Oil, Gal./Sta. (Bt. Agg.)			Ready Mix Plant		
Agg., Tons/Sta. (Bt. Agg.)			Quantity, Tons		
Type of Asphalt Concrete			Place of Storage		
Job Mix No. (Asph. Conc.)			Length of Storage		
Asph. % (Asph. Conc.)			* Type I, Type II, Type III, Type I-II		
Type Asph. or Asph. Oil			OTHER MATERIALS		
Mfr. Asph. or Asph. Oil			Field Identification No.		
Specific Gravity			Kind of Material		
OTHER INFORMATION			Brand		
			Quantity Represented		
			Size and Weight Specified		
			To Comply with Spec. No.		
			Manufactured by		
			Jobber		
			Submitted by		
			Title		
			Address		
TO BE FILLED IN AT LABORATORY					
Date Received at Laboratory					
Laboratory Identification					

DR Form 12, November 1991

TWO Buy America Certifications

ALL projects with IRON & STEEL

Producer/Supplier Certifications

Certificate of Compliance

NDOR M&R

IMPORTANT: Field personnel are responsible for completion of all certifications and/or documentation must be submitted to the Materials & Research Division is responsible for review.

Section 1
Producer/Supplier Buy America Certification
(Required only for steel and iron* projects)
* The Buy America iron requirement is in effect for all contracts.

Section 2
Certificate of Compliance
Certificate of Test
Other Acceptance Criteria **
** Please note in the comments field what acceptance criteria were used.

Section 3
 Accept
By selecting "ACCEPT" the Materials & Research Division certifies that the material complies with specifications.

Comments:



Deeter Foundry, Inc.

June 1, 2011

State of Nebraska
Department of Roads
Materials and Tests Division
P.O. Box 94759
Lincoln, NE 68509

Reference: MCCOOK - HITCHCOCK/RED WILLOW

Nebraska State Project: NDOR # STPD-6-2(122)

Contractor: MIDLANDS CONTRACTING

Gentlemen:

We certify the cast iron materials furnished by us on the above project were made of material according to the following specifications:

Gray Iron Castings, ASTM
Designation A48-94A, Class 35E
All castings are manufactured
Domestically in the U.S.A.

Cordially,

Deeter Foundry, Inc.


Sharon L. Voorhees
Sales Service Manager

CC: file/order

TWO Buy America Certifications

ALL project with IRON & STEEL

Prime Contractor Certification

The Prime Contractor Buy America Certification requirement will be submitted to the Materials and Research Divisions Final Review staff at the completion of the steel and/or iron work.

M&R Web Resources Linked on LPA's District Resources Webpage

Nebraska Department of Roads - Windows Internet Explorer
http://www.roads.ne.gov/intranet/lpa/district-resources.html
File Edit View Favorites Tools Help
Convert Select
Favorites senator I-80 tolls could ge... senator I-80 tolls could ge... Free Hotmail RealPlayer Web Slice Gallery Nebraska Department of ...
Nebraska Department of Roads

NDOR InTRANet Website



Local Projects Division InTRANet
NDOR District Resources

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[Approved Products List | Materials Sampling Guide](#)

[Checklists](#)—Chapter 12 LPA Guidelines Manual | [Checklists](#)—Chapter 14 LPA Guidelines Manual

Suggestions - Comments - Questions about the LP Site

Web Resources

Materials and Research Home Page

The screenshot shows a Windows Internet Explorer browser window displaying the Nebraska Department of Roads website. The address bar shows the URL <http://www.nebraskatransportation.org/mat-n-tests/>. The page header includes the text "Official Nebraska Government Website". The main content area is titled "Materials & Research" with a "Text Only" link. Below this, there is a "Subscribe Now!" button and a link to "What We Do - Overview of Division Duties & Responsibilities". A "Mission Statement" section follows, stating the department's role in designing, researching, and testing highway materials. An "INDEX" section is visible, listing various resources such as "Approved Products List", "Materials Sampling Guide", and "Standard Test Methods Manual". A specific box highlights the "Nebraska Qualified Material Vendors List", which includes links to "Asphalt Producers List", "Rock & Gravel Producers List", "Ready Mix Producers List", and "Reinforced Concrete Pipe and Flared End Section Manufacturers". Another box highlights the "Nebraska Qualified Consultant & LPA Laboratories" section, listing "List of Nebraska Qualified Laboratories" and "NDOR Laboratory Qualification Manual".

Nebraska Department of Roads - Windows Internet Explorer
http://www.nebraskatransportation.org/mat-n-tests/

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[What We Do - Overview of Division Duties & Responsibilities](#)

Mission Statement

We design, research and test highway materials for use in constructing and maintaining a quality highway system that meets the needs of Nebraska.

INDEX

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- [Materials Sampling Guide](#)
- [Materials Management Guidance](#)
- [SiteManager Active Materials List](#)
- [Laboratory Quality System Manual](#)
- [Pavement Condition \(Surface Distress\) Manual](#)
- [Standard Test Methods Manual](#)

Nebraska Qualified Material Vendors List

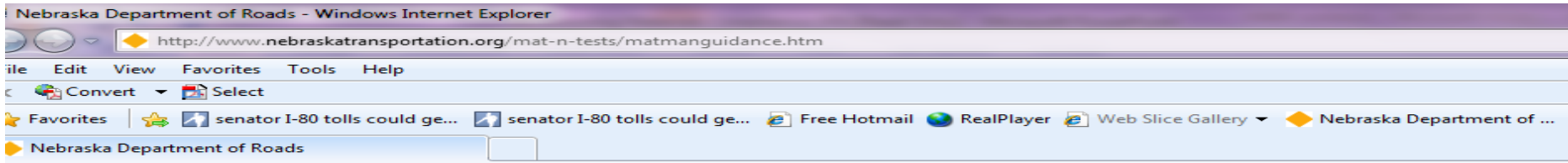
- [Asphalt Producers List](#)
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Nebraska Qualified Consultant & LPA Laboratories

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Materials Management Guidance



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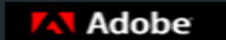
Materials & Research Quick Links

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Materials Management Guidance

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- [LPA Chapter 12 Construction Checklists](#) (link to LPD site)
- [Material Testing/Sampling Qualification Requirements](#) - See Materials Sampling Guide Section 28, Appendix A
- [List of Nebraska Qualified Laboratories](#)

SiteManager (SMGR) Instructions

General - Applicable for all SiteManager Materials Management Users.

- [Assessing Sitemanager Material Discrepancies](#)
- [Printing Material Template and Contract Information](#)
- [Find a Sample](#)
- [Sample Identification Numbering Scheme](#)
- [Attach a File to a Sample Record](#)
- [Generate an RTF Report](#) - This includes generating a Sampling Checklist (SCL) and Summary Reports from labs, projects, producers, and suppliers.

M&R Central Lab Users - Applicable for M&R employees only

- [Create and Authorize an Asphaltic Concrete Sample Record](#)

M&R SiteManager Materials Administrators - Applicable for M&R employees only

- [Removal \("Zero Out"\) of Unused Contract Requirements](#)

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Approved Product List

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Traffic Safety Products

Construction Products

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Approved Products List

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The products on this list are prequalified for use on Nebraska Department of [Projects](#). Inclusion of a product on this list does not mean that it meets any or all applicable requirements, and users should consult the appropriate product specifications for the appropriate product for their application.

- Concrete
- Asphalt
- Erosion Control
- Geosynthetics
- MSE Walls
- Paint Systems/Primers
- Electrical Conduits and Duct Systems
- Pavement Sub-Base Stabilization
- Post-Applied Coatings-Corrugated Metal Pipe
- Aluminum Filled-Resilient Sealing Compounds
- Preformed Plastics for Pipe Joints-Rope Form
- Prefabricated Cast Steel Pile Points
- Detectable Warning Panels
- Flexible Pipe Joints
- Culvert Repair Liner Systems
- Polymer Composite Offset Blocks for Guardrail
- Impact Attenuators
- Hot Pour Sealers

- Geotextiles for Soils and Aggregates
- Asphalt Fabric Reinforcement

PRODUCTS LIST

[Download](#) (Downloadable PDF)

Comments?
Email:
402-479-4678
402-479-4752

List

[Precast End Section Manufacturers](#)

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Geosynthetics

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NOTE: The Nebraska Departments of Roads, Materials and Research Division relies on the AASHTO National Transportation Product Evaluation Program (NTPEP) data for verification and evaluation of Geosynthetic products. Therefore we are requiring all Geosynthetic products being submitted for approval must be submitted through the NTPEP.

** For use in the stabilization and/or separation of soil & aggregate in highway construction

Geotextile

- **Woven - AASHTO M 288-05**
 - [Class I Strength](#)
 - [Class II Strength](#)
 - [Class III Strength](#)

- **Non-Woven - AASHTO M 288-05**
 - [Class I Strength](#)
 - [Class II Strength](#)
 - [Class III Strength](#)

[Geogrids](#)

Filter Fabric

Web Resources

Materials Sampling Guide

The screenshot shows a web browser window displaying the Nebraska Department of Roads website. The address bar shows the URL: <http://www.nebraskatransportation.org/mat-n-tests/sampguide.htm>. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The toolbar shows various icons for navigation and utility. The website content features the following elements:

- Official Nebraska Government Website** header.
- Materials Sampling Guide** section with the text: "Use the version of the Material Sampling Guide that was current on the day the project was let."
- A **Subscribe Now!** button with a red envelope icon, followed by the text: "Find Out More First" and "Subscribe to receive automatic emails when info on this page changes".
- A **Current** section with a dark background, containing the text: "January 1, 2012" and "Summary of Revisions for January 1, 2012".
- An **Archive** section with a dark background, containing a list of dates and revision summaries: "July 1, 2011", "Summary of Revisions for July 1, 2011", "January 1, 2011", "Summary of Revisions for January 1, 2011", "July 1, 2010", "Summary of Revisions for July 1, 2010", "January 1, 2010", "Summary of Revisions for January 1, 2010", "July 22, 2009", "Summary of Revisions for July 22, 2009", "June 25, 2009", "Summary of Revisions for June 25, 2009", and "March 15, 2009".
- A footer text: "Contact [Materials and Research Division](#) regarding problems/suggestions."

On the left side of the page, there is a dark sidebar with the following links and elements:

- NDOR Services & Staff (dropdown menu)
- NDOR Divisions/Districts (dropdown menu)
- Materials & Research Quick Links** section containing:
 - [M&R Home Page](#)
 - [Approved Products List](#)
 - [Materials Sampling Guide](#)
 - [Materials Management Guidance](#)
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Web Resources

Materials Sampling Guide

MATERIAL	TYPE OF TEST	Minimum Material Certificate, Sample and Inspection Requirements				
		Q.C. SAMPLING AND TESTING BY CONTRACTOR	VERIFICATION SAMPLING AND TESTING BY NDOR		LOCATION OF ADDITIONAL INFORMATION	
SECTION: 2 – Asphaltic Materials (continued)			FIELD PERSONNEL	BRANCH LAB	CENTRAL LAB	
3)Performance Graded Binder	Quality	-----	<p>Using two one quart cans submit a two quart sample for each lot (3750 tons) or parts thereof of asphaltic concrete produced. A minimum of two two-quart samples per project.</p> <p>Sample to be submitted no later than 10 days to the Central Laboratory.</p> <p>(This sampling frequency must be followed for each grade and source of PG Binder used on the project).</p> <p>The sample information must be entered in SiteManager. The following information must be included on the SiteManager sample tag: sample id number, project number, contract number, project manager, binder grade, date sampled, refinery, and lot number.</p> <p>Sample to be submitted to the Central Laboratory.</p>	-----	Acceptance samples to be tested in the Central Laboratory.	Section 27 Note 2

Common M&R contacts for NDOR State Reps

M&R Contacts for NDOR State Reps

For clarification on documentation and final material record requirements for pay items, refer to the Materials Required Documents List for the project:

CONTRACT NO. 2185X PROJECT NO. BRO-7027(8)
VENDOR NO. 2817 MCC, LLC

LOCATION: SCRIBNER NORTHEAST (STIMULUS)
TYPE OF CONSTR: GR BR GDRL

LETTING DATE: 1/14/2010

*TOS=TEST OR SAMPLE
CC=CONTRACTOR'S CERTIFICATION
COC=CETIFICATION OF COMPLIANCE
COT=CERTIFICATION OF TEST
APL=APPROVED PRODUCTS LIST
PMV=PROJECT MANAGER'S VERIFICATION

**SP=SPECIAL PROVISIONS - PAGE NUMBER
SG=SAMPLING GUIDE - SECTION NUMBER
NSS=NEBR. STAND. SPECS. - SECTION #

DESCRIPTION	QUANTITY UNITS	* REQUIRED DATA	** REF BK	M&R CONTACT
RIPRAP FILTER FABRIC	283.000 SY	APL	SG-24	DONDLINGER
24" CMP FOR DRIVEWAY CULVERT PIPE	220.000 LF	SG-SECTION 27,	NOTE 11	KAREL
CRUSHED ROCK EMBEDMENT	20.580 STA	TOS	SP-83	BEASON
CRUSHED ROCK SURFACE COURSE	794.000 TON	TOS	SG-6	BEASON
24" CORRUGATED METAL PIPE	202.000 LF	SG-SECTION 27,	NOTE 11	KAREL
60" CORRUGATED METAL PIPE	84.000 LF	SG-SECTION 27,	NOTE 11	KAREL
24" METAL FLARED-END SECTION	3.000 EACH	SG-SECTION 27,	NOTE 11	KAREL
60" METAL FLARED-END SECTION	4.000 EACH	SG-SECTION 27,	NOTE 11	KAREL
ROCK RIPRAP, TYPE B	127.000 TON	APL	SG-24	BEASON
FABRIC SILT FENCE-LOW POROSITY	1,075.000 LF	APL	NSS809	DONDLINGER
RIPRAP FILTER FABRIC	1,945.000 SY	APL	SG-24	DONDLINGER
47B-3000 CONC FOR BRIDGE	189.500 CY	TOS	SG-16	MASTERS
47BD-4000 CONC FOR BRIDGE	294.600 CY	TOS	SG-16	MASTERS
RE-STEEL FOR BRIDGE	62,205.000 LB	TOS/COT	SG-16	KAREL
STRUC STEEL FOR SUBSTRUCTURE	2,245.000 LB	COC	SG-20	KAREL
ROCK RIPRAP, TYPE B	1,540.000 TON	APL	SG-24	BEASON

M&R Contacts for NDOR State Reps

Materials & Research Central Office

Materials Engineer – Mick Syslo

SiteManager– Devin Townsend/Dave Hall/Rhonda Debutts

Checklists-Amy Starr

Asphalt – Bob Rea

Concrete – Wally Heyen

Pavement Design/Quantities – Brandon Varilek

Geotechnical – Mark Lindemann

Quality Assurance Managers

Ron Vajgrt District 1

Gary Mangen QAM District 2

Rodney McNeel QAM Districts 5,6,7 & 8

Mike Reynolds QAM Districts 3 & 8

Calvin Splattstoesser QAM Districts 4 & 7